

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

On July 3, 2006

TOWNSEND and TOWNSEND and CREW LLP

By: Jmgmiller



PATENT  
Attorney Docket No.: 018563-006410US  
Client Reference No.: AT00120.1

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:

SRINIVAS KAZA

Application No.: 10/820,387

Filed: April 7, 2004

For: SYSTEM AND METHOD FOR  
POSITIONING TEETH

Customer No.: 46718

Confirmation No.: 8439

Examiner: Manahan, Todd

Art Unit: 3732

**INFORMATION DISCLOSURE  
STATEMENT UNDER  
37 CFR §1.97 and §1.98**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The references cited on attached forms PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. Copies of the foreign patent documents and non-patent references are enclosed.

Applicants would like to bring to the Examiner's attention the parent U.S. Patent Application No. 10/044385, filed January 10, 2002, now Patent No. 6,767,208, issued July 27, 2004 (Atty. Docket No. 018563-006400US).

It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.


As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

The current IDS includes legible paper copies of references that were previously included in computer readable format in the IDS filed on September 8, 2004.

Applicant believes that no fee is required for submission of this statement. However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,

Date: 7/3/06

  
\_\_\_\_\_  
Michael T. Rosato  
Reg. No. 52,182

TOWNSEND and TOWNSEND and CREW LLP  
Two Embarcadero Center, Eighth Floor  
San Francisco, California 94111-3834  
Tel: 206-467-9600  
Fax: 206-623-6793  
MTR:mmm



Substitute for Form PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/820,387
				Filing Date	April 7, 2004
				First Named Inventor	Srinivas Kaza
				Art Unit	3732
				Examiner Name	Manahan, Todd E.
Sheet	1	of	10	Attorney Docket Number	018563-006410US

U.S. PATENT DOCUMENTS+					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	US-6,767,208	07-27-2004	Kara	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	AB	AU	517102		07-09-1981	Hito Suyehiro		<input type="checkbox"/>
	AC	AU	3031677		05-10-1979	Hito Suyehiro		<input type="checkbox"/>
	AD	AU	5598894		06-08-1994	Ormco Corp		<input type="checkbox"/>
	AE	CA	1121955		04-20-1982	Suyehiro Hito		<input type="checkbox"/>
	AF	DE	2749802		05-11-1978	Suyehiro Hito		<input type="checkbox"/>
	AG	DE	69327661		07-20-2000	Ormco Corp		<input type="checkbox"/>
	AH	EP	0091876		10-19-1983	Duret		<input type="checkbox"/>
	AI	EP	0299490		01-18-1989	Steinbichler		<input type="checkbox"/>
	AJ	EP	0376873		07-04-1990	Shafir		
	AK	EP	0490848		06-17-1992	Nobelpharma AB.		
	AL	EP	0541500		05-12-1993	Nobelpharma AB		
	AM	EP	0667753		08-23-1995	Ormco Corp		
	AN	EP	0774933		05-28-1997	Sandvik AB		
	AO	EP	0731673		09-18-1996	Nobel Biocare AB		
	AP	ES	463897		01-01-1980	Hito Suyehiro		
	AQ	FR	2369828		06-02-1978	Hito Suyehiro		
	AR	FR	2652256		03-29-1991	Jourda		
	AS	GB	1550777		08-22-1979	Hito Suyehiro		
	AT	JP	04-028359		01-30-1992	Mitsubishi Petrochemical Co		
	AU	JP	53-058191		05-25-1978	Yoshii		
	AV	JP	08-508174		09-03-1996	Ormco Corp		
	AW	WO	90/08512		08-09-1990	Dolphin Imaging System		
	AX	WO	91/04713		04-18-1991	Jourda et al.		
	AY	WO	98/44865		10-15-1998	Nobel Biocare AB		
	AZ	WO	98/58596		12-30-1998	Align Technology Inc		

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/820,387
				Filing Date	April 7, 2004
				First Named Inventor	Srinivas Kaza
				Art Unit	3732
				Examiner Name	Manahan, Todd E.
Sheet	2	of	10	Attorney Docket Number	018563-006410US

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>	
	BA	English translation of Japanese Laid-Open Publication No. 63-11148 to inventor T. Ozukuri (Laid-Open on January 18, 1988) pp. 1-7.		
	BB	U.S. Provisional Patent Application No. 60/050342, filed on June 20, 1997, 41 pages total.		
	BC	ALEXANDER <i>et al.</i> , "The DigiGraph Work Station Part 2, Clinical Management," <i>JCO</i> , (July 1990), pp. 402-407.		
	BD	ALTSCHULER <i>et al.</i> , "Analysis of 3-D Data for Comparative 3-D Serial Growth Pattern Studies of Oral-Facial Structures," IADR Abstracts, Program and Abstracts of Papers, 57th General Session, IADR Annual Session, March 29, 1979 - April 1, 1979, New Orleans Marriot, <i>J. Dent. Res.</i> , Vol. 58, (January 1979), Special Issue A, p. 221.		
	BE	ALTSCHULER, "3D Mapping of Maxillo-Facial Prosthesis," <i>AADR Abstract #607</i> , (1980), 2 pages total.		
	BF	ALTSCHULER <i>et al.</i> , "Laser Electro-Optic System for Rapid Three-Dimensional (3D) Topographic Mapping of Surfaces," <i>Optical Engineering</i> , Vol. 20, No. 6, (1981), pp. 953-961.		
	BG	ALTSCHULER <i>et al.</i> , "Measuring Surfaces Space-Coded by a Laser-Projected Dot Matrix," <i>SPIE Imaging Applications for Automated Industrial Inspection and Assembly</i> , Vol. 182, (1979), pp. 187-191.		
	BH	AMERICAN ASSOCIATION FOR DENTAL RESEARCH, Summary of Activities, March 20-23, 1980, Los Angeles, CA, p. 195.		
	BI	ANDERSSON <i>et al.</i> , "Clinical Results with Titanium Crowns Fabricated with Machine Duplication and Spark Erosion," <i>Acta Odontol. Scand.</i> , Vol. 47, (1989), pp. 279-286.		
	BJ	ANDREWS, <i>The Six Keys to Optimal Occlusion Straight Wire</i> , Chapter 3, pp. 13-24.		
	BK	BAUMRIND <i>et al.</i> , "A Stereophotogrammetric System for the Detection of Prosthesis Loosening in Total Hip Arthroplasty," NATO Symposium on Applications of Human Biostereometrics, July 9-13, 1978, <i>SPI</i> , 166:112-123.		
	BL	BAUMRIND <i>et al.</i> , "Mapping the Skull in 3-D," Reprinted from <i>J. Calif. Dent. Assoc.</i> , Vol. 48, No. 2, (1972 Fall Issue), 11 pages total.		
	BM	BAUMRIND, "Integrated Three-Dimensional Craniofacial Mapping: Background, Principles, and Perspectives," <i>Semin. Orthod.</i> , 7(4):223-232 (Dec. 2001).		
	BN	BAUMRIND, "A System for Craniofacial Mapping Through the Integration of Data from Stereo X-Ray Films and Stereo Photographs," an invited paper submitted to the 1975 American Society of Photogram. Symposium on Close-Range Photogram. Systems, University of Ill., Aug. 26-30, 1975, pp.142-166.		
	BO	BEGOLE <i>et al.</i> , "A Computer System for the Analysis of Dental Casts," <i>Angle Orthod.</i> , 51(3):253-259 (July 1981).		
Examiner Signature		Date Considered		

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/820,387
				Filing Date	April 7, 2004
				First Named Inventor	Srinivas Kaza
				Art Unit	3732
				Examiner Name	Manahan, Todd E.
Sheet	3	of	10	Attorney Docket Number	018563-006410US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	BP	BERNARD <i>et al.</i> , "Computerized Diagnosis in Orthodontics for Epidemiological Studies: A Progress Report," Paper presented at International Association for Dental Research 66th General Session, March 9-13, 1988, Montreal, Canada. The abstract is published in <i>J Dental Res. Special Issue</i> , 67:169.	
	BQ	BHATIA <i>et al.</i> , "A Computer-Aided Design for Orthognathic Surgery," <i>Br. J. Oral Maxillofac Surg.</i> , Vol. 22, (1984), pp. 237-253.	
	BR	BIGGERSTAFF <i>et al.</i> , "Computerized Analysis of Occlusion in the Postcanine Dentition," <i>Am. J. Orthod.</i> , Vol. 61, No. 3, (Mar. 1972), pp. 245-254.	
	BS	BIOSTAR, Biostar Operation & Training Manual, Great Lakes Orthodontics Ltd., Tonawanda, NY, 20 pages.	
	BT	BIGGERSTAFF, "Computerized Diagnostic Setups and Simulations," <i>Angle Orthod.</i> , Vol. 40, No. 1, (Jan. 1970), pp. 28-36.	
	BU	BOYD <i>et al.</i> , "Three Dimensional Diagnosis and Orthodontic Treatment of Complex Malocclusions with the Invisalign Appliance," <i>Seminars in Orthodontics</i> , Vol. 7, No. 4 (Dec. 2001), pp. 274-293.	
	BV	BRANDESTINI <i>et al.</i> , "Computer Machined Ceramic Inlays: In Vitro Marginal Adaptation," <i>J. Dent. Res.</i> , Vol. 64/Special Issue/Abstracts, IADR/AADR Abstracts, (1985), p. 208.	
	BW	BROOK <i>et al.</i> , "An Image Analysis System for the Determination of Tooth Dimensions from Study Casts: Comparison with Manual Measurements of Mesio-distal Diameter," <i>J. Dent. Res.</i> , Vol. 65, No. 3, (March 1986), pp. 428-431.	
	BX	BURSTONE (interview), "Dr. Charles J. Burstone on The Uses of the Computer in Orthodontic Practice (Part 1)," <i>J. Clin. Orthod.</i> , 13(7):442-53 (Jul 1979).	
	BY	BURSTONE (interview), "Dr. Charles J. Burstone on The Uses of the Computer in Orthodontic Practice (Part 2)," <i>J. Clin. Orthod.</i> , 13(8):539-51 (Aug. 1979).	
	BZ	BURSTONE <i>et al.</i> , "Precision Adjustment of the Transpalatal Lingual Arch: Computer Arch Form Predetermination," <i>Am. J. Orthod.</i> , Vol. 79, No. 2 (Feb. 1981), pp. 115-133.	
	CA	CARDINAL INDUSTRIAL FINISHES, Powder Coatings information posted at <a href="http://www.cardinalpaint.com">http://www.cardinalpaint.com</a> on Aug. 25, 2000, 2 pages total.	
	CB	CARNAGHAN <i>et al.</i> , "An Alternative to Holograms for the Portrayal of Human Teeth," <i>Fourth International Conference Holographic Systems, Components and Applications</i> , Sep 13-15, 1993, Issue 379, pp. 228-231.	
	CC	CHACONAS <i>et al.</i> , "The DigiGraph Work Station, Part 1, Basic Concepts," <i>JCO</i> , (June 1990), pp. 360-367.	
	CD	CHAFETZ <i>et al.</i> , "Subsidence of the Femoral Prosthesis, A Stereophotogrammetric Evaluation," <i>Clin. Orthop. Relat. Res.</i> , No. 201, (December 1985), pp. 60-67.	
	CE	CHIAPPONE, "Constructing the Gnathologic Setup and Positioner," <i>J. Clin. Orthod.</i> , Vol. 14, pp. 121-133 (1980).	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/820,387
				Filing Date	April 7, 2004
				First Named Inventor	Srinivas Kaza
				Art Unit	3732
				Examiner Name	Manahan, Todd E.
Sheet	4	of	10	Attorney Docket Number	018563-006410US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	CF	COTTINGHAM, "Gnathologic Clear Plastic Positioner, <i>Am. J. Orthod.</i> , Vol. 55, pp. 23-31 (Jan. 1969).	
	CG	CRAWFORD, "CAD/CAM in the Dental Office: Does It Work?" <i>J. Can. Dent Assoc.</i> , Vol. 57, No. 2, (Feb. 1991), pp. 121-123.	
	CH	CRAWFORD, "Computers in Dentistry: Part 1 - CAD/CAM: The Computer Moves Chairside; Part 2 - Computers in dentistry. Part two. Francois Duret--a man with vision; Part 3 - The computer gives new vision--literally; Part 4 - Bytes 'N Bites: The Computer Moves From The Front Desk To The Operatory," <i>J. Can. Dent. Assoc.</i> , (Sept. 1988), 54(9):661-666.	
	CI	CROOKS, "CAD/CAM Comes to USC," <i>USC Dentistry</i> , (Spring 1990), pp. 14-17.	
	CJ	CURETON, "Correcting Malaligned Mandibular Incisors with Removable Retainers," <i>J. Clin. Orthod.</i> , Vol. 30, No. 7, (1996), pp. 390-395.	
	CK	CURRY <i>et al.</i> , "Integrated Three-Dimensional Craniofacial Mapping at the Craniofacial Research Instrumentation Laboratory/University of the Pacific," <i>Semin. Orthod.</i> , Vol. 7, No. 4, (Dec 2001), pp. 258-265.	
	CL	CUTTING <i>et al.</i> , "Three-Dimensional Computer-Assisted Design of Craniofacial Surgical Procedures: Optimization and Interaction with Cephalometric and CT-Based Models," <i>Plast. Reconstr. Surg.</i> , Vol. 77, No. 6, (June 1986), pp. 877-885.	
	CM	DCS Dental AG, "The CAD/CAM 'DCS Titan System' for Production of Crowns/Bridges," DSC Production AG, (Jan. 1992), pp. 1-7.	
	CN	DEFRANCO <i>et al.</i> , "Three-Dimensional Large Displacement Analysis of Orthodontic Appliances," <i>J. Biomech.</i> , Vol. 9, (1976), pp. 793-801.	
	CO	DENTAL INSTITUTE UNIVERSITY OF ZURICH SWITZERLAND, "Program for International Symposium on Computer Restorations: State of the Art of the CEREC-Method," (May 1991), 2 pages total.	
	CP	DENTRAC CORPORATION, Dentrac document, pp. 4-13.	
	CQ	DENT-X posted at <a href="http://www.dent-x.com/DentSim.htm">http://www.dent-x.com/DentSim.htm</a> 09/24/98, 6 pages total.	
	CR	DOYLE, A., "Digital Dentistry," <i>Computer Graphics World</i> , <<www.cgw.com>>, 4 pages (October 2000).	
	CS	DURET <i>et al.</i> , "CAD/CAM Imaging in Dentistry," <i>Curr. Opin. Dent.</i> , Vol. 1, (1991), pp. 150-154.	
	CT	DURET <i>et al.</i> , "CAD-CAM in Dentistry," <i>J. Am. Dental Assoc.</i> , Vol. 117, (Nov. 1988), pp. 715-720.	
	CU	DURET, "The Dental CAD/CAM, General Description of the Project," <i>Hennson International Product Brochure</i> , (Jan. 1986), 18 pages total.	
	CV	DURET, "Vers Une Prothese Informatisee," (English translation also attached), <i>Tonus</i> , Vol. 75, (Nov. 15, 1985), pp. 55-57.	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/820,387
				Filing Date	April 7, 2004
				First Named Inventor	Srinivas Kaza
				Art Unit	3732
				Examiner Name	Manahan, Todd E.
Sheet	5	of	10	Attorney Docket Number	018563-006410US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	CW	ECONOMIDES, "The Microcomputer in the Orthodontic Office," <i>JCO</i> , (Nov. 1979), pp. 767-772.	
	CX	ELSASSER, "Some Observations on the History and Uses of the Kesling Positioner," <i>Am. J. Orthod.</i> , (1950), 36:368-374.	
	CY	FABER <i>et al.</i> , "Computerized interactive orthodontic treatment planning," <i>Am. J. Orthod.</i> , Vol. 73, No. 1, (Jan. 1978), pp. 3646.	
	CZ	FELTON <i>et al.</i> , "A Computerized Analysis of the Shape and Stability of Mandibular Arch Form," <i>Am. J. Orthod. Dentofacial. Orthop.</i> , Vol. 92, No. 6, (Dec. 1987), pp. 478-483.	
	DA	FRIEDE <i>et al.</i> , "Accuracy of Cephalometric Prediction in Orthognathic Surgery, Abstract of Papers," <i>J. Dent. Res.</i> , Vol. 70, (1987), pp. 754-760.	
	DB	FÜTTERLING <i>et al.</i> , "Automated Finite Element Modeling of a Human Mandible with Dental Implants," <i>WSCG '98 -Conference Program</i> , retrieved from the Internet: << <a href="http://wscg.zcu.cz/wscg98/papers98/Strasser_98.pdf">http://wscg.zcu.cz/wscg98/papers98/Strasser_98.pdf</a> >>, 8 pages total.	
	DC	GAO <i>et al.</i> , "3-D Element Generation for Multi-Connected Complex Dental and Mandibular Structure," <i>Proceedings. International Workshop on Medical Imaging and Augmented Reality</i> , 2001.	
	DD	GIM-ALLDENT, Deutschland, Das DUX System: Die Technik, 2 pages total.	
	DE	GOTTLEIB <i>et al.</i> , "JCO Interviews Dr. James A. McNamara, Jr., on the Frankel Appliance: Part 2: Clinical Management," <i>Journal of Clinical Orthodontics</i> , Vol. 16, No. 6, (June 1982) pp. 390-407.	
	DF	GRAYSON, "New Methods for Three Dimensional Analysis of Craniofacial Deformity, Symposium: Computerized Facial Imaging in Oral and Maxillofacial Surgery," <i>AAOMS</i> , (Sept 13, 1990), 3 pages total.	
	DG	GUESS <i>et al.</i> , "Computer Treatment Estimates In Orthodontics and Orthognathic Surgery," <i>JCO</i> , (April, 1989), pp. 262-28.	
	DH	HEAVEN <i>et al.</i> , "Computer-based Image Analysis of Artificial Root Surface Caries, Abstracts of Papers," <i>J. Dent. Res.</i> , Vol. 70, (April 17-21, 1991), p. 528.	
	DI	HOFFMANN <i>et al.</i> , "Role of Cephalometry for Planning of Jaw Orthopedics and Jaw Surgery Procedures," (Article Summary In English, article in German), <i>Informatbnen</i> , (March 1991), pp. 375-396.	
	DJ	HOJJATIE <i>et al.</i> , "Three-Dimensional Finite Element Analysis of Glass-Ceramic Dental Crowns," <i>J Biomech.</i> (1990) Vol. 23, No. 11, pp.1157-1166.	
	DK	HUCKINS, "CAD-CAM Generated Mandibular Model Prototype from MRI Data," <i>AAOMS</i> , (1999), p. 96.	
	DL	JCO Interviews, "Craig Andreiko, DDS, MS on the Elan and Orthos Systems," <i>JCO</i> , (Aug. 1994), pp. 459-468.	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/820,387
				Filing Date	April 7, 2004
				First Named Inventor	Srinivas Kaza
				Art Unit	3732
				Examiner Name	Manahan, Todd E.
Sheet	6	of	10	Attorney Docket Number	018563-006410US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	DM	JCO Interviews, "Dr. Homer W. Phillips on Computers in Orthodontic Practice," Part 2, JCO, (Dec. 1983), pp. 819-831.	
	DN	JERROLD, "The Problem, Electronic Data Transmission and the Law," AJO-DO, (Apr. 1988), pp. 478-479.	
	DO	JONES <i>et al.</i> , "An Assessment of the Fit of a Parabolic Curve to Pre- and Post-Treatment Dental Arches," <i>Br. J. Orthod.</i> , Vol. 16, (1989), pp. 85-93.	
	DP	KAMADA <i>et al.</i> , "Case Reports On Tooth Positioners Using LTV Vinyl Silicone Rubber," J. Nihon University School of Dentistry, (1984), 26(1): 11 -29.	
	DQ	KAMADA <i>et al.</i> , "Construction of Tooth Positioners with LTV Vinyl Silicone Rubber and Some Case Reports," J. Nihon University School of Dentistry, (1982), 24(1):1-27.	
	DR	KANAZAWA <i>et al.</i> , "Three-Dimensional Measurements of the Occlusal Surfaces of Upper Molars in a Dutch Population," <i>J. Dent Res.</i> , Vol. 63, No. 11, (Nov. 1984), pp. 1298-1301.	
	DS	KESLING <i>et al.</i> , "The Philosophy of the Tooth Positioning Appliance," <i>Am. J. Orthod. Oral Surg.</i> , (1945), 31:297-304.	
	DT	KESLING, "Coordinating the Predetermined Pattern and Tooth Positioner with Conventional Treatment," <i>Am. J. Orthod. Oral Surg.</i> , (1946), 32:285-293.	
	DU	KLEEMAN <i>et al.</i> , "The Speed Positioner," <i>J. Clin. Orthod.</i> , (1996), 30:673-680.	
	DV	KUNII <i>et al.</i> , "Articulation Simulation for an Intelligent Dental Care System," <i>Displays</i> (1994) 15:181-188.	
	DW	KURODA <i>et al.</i> , "Three-Dimensional Dental Cast Analyzing System Using Laser Scanning," <i>Am. J. Orthod. Dentofac. Orthop.</i> , (1996), 110:365-369.	
	DX	LAURENDEAU <i>et al.</i> , "A Computer-Vision Technique for the Acquisition and Processing of 3-D Profiles of Dental Imprints: An Application in Orthodontics," <i>IEEE Trans. Med. Imaging</i> , Vol. 10, No. 3, (Sept. 1991), pp. 453-461.	
	DY	LEINFELDER <i>et al.</i> , "A New Method for Generating Ceramic Restorations: a CAD-CAM system," <i>J. Am. Dent. Assoc.</i> , Vol. 118, No. 6, (Jun. 1989), pp. 703-707.	
	DZ	MANETTI <i>et al.</i> , "Computer-aided cefalometry and new mechanics in orthodontics," <i>Fortschr. Kieferorthop.</i> , (1983 Oct), 44(5):370-376.	
	EA	MCCANN, "Inside the ADA," <i>J. Am. Dent. Assoc.</i> , Vol. 118, (March 1989), p. 286-294.	
	EB	MCNAMARA <i>et al.</i> , "Invisible Retainers," <i>J. Clin. Orthod.</i> , (August 1985), pp. 570-578.	
	EC	MCNAMARA <i>et al.</i> , "Orthodontic and Orthopedic Treatment in the Mixed Dentition," Needham Press, January 1993. pp.347-353.	
	ED	MOERMANN <i>et al.</i> , "Computer Machined Adhesive Porcelain Inlays: Margin Adaptation after Fatigue Stress," IADR Abstract 339, <i>J. Dent. Res.</i> , Vol. 66(a), (1987), p. 763.	
	EE	MÖRMANN <i>et al.</i> , "Marginale Adaptation von adhäsiven Porzellaninlays in vitro," Separatdruck aus: Schweiz. Mschr. Zahnmed. 95: 1118-1129, (1985).	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.



Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/820,387
				Filing Date	April 7, 2004
				First Named Inventor	Srinivas Kaza
				Art Unit	3732
				Examiner Name	Manahan, Todd E.
Sheet	7	of	10	Attorney Docket Number	018563-006410US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	EF	NAHOUM, "The Vacuum Formed Dental Contour Appliance," <i>N. Y. State Dent. J.</i> , (November 1964), Vol. 30, No. 9, pp. 385-390	
	EG	NASH, "CEREC CAD/CAM Inlays: Aesthetics and Durability in a Single Appointment," <i>Dent. Today</i> , (October 1990), pp. 20, 22-23, 54.	
	EH	NISHIYAMA <i>et al.</i> , "A New Construction of Tooth Repositioner by LTV Vinyl Silicone Rubber," <i>J. Nihon University School of Dentistry</i> , (1977), 19(2):93-102.	
	EI	PAUL <i>et al.</i> , "Digital Documentation of Individual Human Jaw and Tooth Forms for Application in Orthodontics, Oral Surgery and Forensic Medicine," <i>Industrial Electronics Society, Proceedings of the 24th Annual Conference of the IEEE</i> , Aug 31-Sep 1998, Vol. 4, pp. 2415-2418.	
	EJ	PINKHAM, "'Foolish' Concept Propels Technology," <i>Dentist</i> , (Jan./Feb. 1989), 3 pages total.	
	EK	PINKHAM, "Inventor's CAD/CAM May Transform Dentistry," <i>Dentist</i> , (Sept. 1990), 3 pages total.	
	EL	PONITZ, "Invisible Retainers," <i>Am J. Orthod.</i> , Vol 59, No. 3, (March 1971), pp. 266-272	
	EM	PROCERA RESEARCH PROJECTS, "PROCERA Research Projects 1993 — Abstract Collection," (1993), pp. 3-28.	
	EN	PROFFIT <i>et al.</i> , <i>Contemporary Orthodontics</i> (Second Ed.) Chapter 15, Mosby Inc, (October 1992 ), pp. 470-533.	
	EO	RAINTREE ESSIX & ARS MATERIALS, INC., "Raintree Essix, Technical Magazine Table of contents and Essix Appliances," < <a href="http://www.essix.com/magazine/default.html">http:// www.essix.com/magazine/default.html</a> >, (Aug. 13, 1997), 7 pages.	
	EP	REDMOND, W., "Clinical Implications of Digital Orthodontics," <i>Am. J. Orthod. Dentofacial. Orthop.</i> , 117(2):240-243.	
	EQ	REKOW, "A Review of the Developments in Dental CAD/CAM Systems," (contains references to Japanese efforts and content of the papers of particular interest to the clinician are indicated with a one-line summary of their content in the bibliography), <i>Curr. Opin. Dent.</i> , (1992 Jun), Vol. 2, pp. 25-33.	
	ER	REKOW, "CAD/CAM in Dentistry: A Historical Perspective and View of the Future," <i>J. Can. Dent. Assoc.</i> , Vol. 58 No. 4, (April 1992), pp. 283, 287-288.	
	ES	REKOW, "Dental CAD-CAM Systems: What is the State of the Art?" <i>J. Am. Dent. Assoc.</i> , Vol. 122, (1991), pp. 43-48.	
	ET	REKOW, "Feasibility of an Automated System for Production of Dental Restorations," PhD Thesis, Univ. of Minnesota, (Nov. 1988), 244 pages total.	
	EU	REKOW, "CAD/CAM for Dental Restorations-Some of the Curious Challenges," <i>IEEE Trans. Biomed. Eng.</i> , 38(4):314-318 (April 1991).	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/820,387
				Filing Date	April 7, 2004
				First Named Inventor	Srinivas Kaza
				Art Unit	3732
				Examiner Name	Manahan, Todd E.
Sheet	8	of	10	Attorney Docket Number	018563-006410US

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>	
	EV	REKOW, "Comparison of Three Data Acquisition Techniques for 3-D Tooth Surface Mapping," <i>Bioengineering in Dentistry</i> , Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 13:1:0344-0345 (1991).		
	EW	RICHMOND <i>et al.</i> , "The Development of the PAR Index (Peer Assessment Rating): Reliability and Validity," <i>European Journal of Orthodontics</i> (1992) 14:125-139.		
	EX	RICHMOND <i>et al.</i> , "Research Reports; The Development of a 3D Cast Analysis System," <i>Br. J. Orthod.</i> , (Jan. 1986), 13(1):53-54.		
	EY	RICHMOND, "Recording The Dental Cast In Three Dimensions," <i>Am. J. Orthod. Dentofac. Orthop.</i> , Vol. 92, No. 3, (Sept. 1987), pp. 199-206.		
	EZ	RUDGE, "Dental arch analysis: arch form. A review of the literature," <i>Eur. J. Orthod.</i> , Vol. 3, No. 4, (1981), pp. 279-284.		
	FA	SAKUDA <i>et al.</i> , "Integrated Information-Processing System In Clinical Orthodontics: An Approach with Use of a Computer Network System," <i>Am. J. Orthod. Dentofac. Orthop.</i> , Vol. 101 No. 3, (March 1992), pp. 210-220.		
	FB	SHELLHAS <i>et al.</i> , "Three-Dimensional Computed Tomography in Maxillofacial Surgical Planning," <i>Arch. Otolamgol. Head Neck Surg.</i> , Vol. 114, (April 1988), pp. 438-442.		
	FC	SCHROEDER <i>et al.</i> , Eds. <i>The Visual Toolkit</i> , Prentice Hall PTR, New Jersey (1998) Chapters 6, 8 & 9, (pages 153-210, 309-354, and 355-428, respectively).		
	FD	SHILLIDAY, "Minimizing finishing problems with the mini-positioner," <i>Am. J. Orthod.</i> , (1971), 59:596-599.		
	FE	SIEMENS, "CEREC - Computer-Reconstruction, High Tech in der Zahnmedizin," 14 page total.		
	FF	SINCLAIR, The Readers' Corner, <i>Journal of Clinical Orthodontics</i> , Vol. 26, No. 6, (June 1992) pp. 369-372.		
	FG	SIRONA DENTAL SYSTEMS GmbH, <i>CEREC 3D, Manuel utilisateur</i> , Version 2.0X," (in French), (2003), 114 pages total.		
	FH	STOLL <i>et al.</i> , "Computer-aided Technologies in Dentistry," (Article Summary in English, article in German), <i>Dtsch Zahna'rztl. Z</i> 45, pp. 314-322, (1990).		
	FI	TRU-TAIN ORTHODONTIC & DENTAL SUPPLIES, Product Brochure, Rochester, Minnesota 55902, 16 pages total.		
	FJ	U.S. Department of Commerce, National Technical Information Service, "Automated Crown Replication Using Solid Photography SM," <i>Solid Photography Inc.</i> , Melville NY, (October 1977), 20 pages total.		
	FK	U.S. Department of Commerce, National Technical Information Service, "Holodontography: An Introduction to Dental Laser Holography," <i>School of Aerospace Medicine</i> , Brooks AFB TX, (March 1973), 37 pages total.		

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/820,387
				Filing Date	April 7, 2004
				First Named Inventor	Srinivas Kaza
				Art Unit	3732
				Examiner Name	Manahan, Todd E.
Sheet	9	of	10	Attorney Docket Number	018563-006410US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	FL	VAN DER LINDEN <i>et al.</i> , "Three-Dimensional Analysis of Dental Casts by Means of the Optocom," <i>J. Dent. Res.</i> , (July-August 1972), 51(4):1100.	
	FM	VAN DER LINDEN, "A New Method to Determine Tooth Positions and Dental Arch Dimensions," <i>J. Dent. Res.</i> , (July-August 1972), Vol. 51, No. 4, p. 1104.	
	FN	VAN DER ZEL, "Ceramic-Fused-To-Metal Restorations with a New CAD/CAM System," <i>Quintessence Int.</i> , Vol. 24, No. 11, (1993), pp. 769-778.	
	FO	VARADY <i>et al.</i> , "Reverse Engineering Of Geometric Models—An Introduction," <i>Computer-Aided Design</i> , 29 (4):255-268, (1997).	
	FP	VERSTREKEN <i>et al.</i> , "An Image-Guided Planning System for Endosseous Oral Implants," <i>IEEE Transactions on Medical Imaging</i> , Vol. 17, No. 5, (Oct 1998), pp. 842-852.	
	FQ	WARUNEK <i>et al.</i> , "Clinical Use of Silicone Elastomer Appliances," <i>JCO</i> , (1989), XXIII(10):694-700	
	FR	WARUNEK <i>et al.</i> , "Physical and Mechanical Properties of Elastomers in Orthodontic Positioners," <i>Am. J. Orthod. Dentofac. Orthop.</i> , Vol. 95, No. 5, (May 1989), pp. 399-400.	
	FS	WELLS, "Application of the Positioner Appliance in Orthodontic Treatment," <i>Am. J. Orthodont.</i> , (1970), 58:351-366.	
	FT	WILLIAMS, "Dentistry and CAD/CAM: Another French Revolution," <i>J. Dent. Pract. Adm.</i> , (Jan/March 1987), pp. 2-5.	
	FU	WILLIAMS, "The Switzerland and Minnesota Developments in CAD/CAM," <i>J. Dent. Pract. Adm.</i> , (April/June 1987), pp. 50-55.	
	FV	WISHAN, "New Advances in Personal Computer Applications for Cephalometric Analysis, Growth Prediction, Surgical Treatment Planning and Imaging Processing," Symposium: Computerized Facial Imaging in Oral and Maxillofacial Surgery Presented on September 13, (Aug. 1990), <i>J. Oral Maxillofacial Surg.</i> , 48(8):5.	
	FW	YAMAMOTO <i>et al.</i> , "Optical Measurement of Dental Cast Profile and Application to Analysis of Three-Dimensional Tooth Movement in Orthodontics," <i>Frontiers Med. Biol. Engng.</i> , Vol. 1, No. 2, (1988), pp. 119-130.	
	FX	YAMAMOTO <i>et al.</i> , "Three-Dimensional Measurement of Dental Cast Profiles and Its Applications to Orthodontics," <i>Annual Int'l Conf. of IEEE Engineering in Medicine and Biology Society</i> , Vol. 12, No. 5, (1990), pp. 2051-2053.	
	FY	YAMANY <i>et al.</i> , "A System for Human Jaw Modeling Using Intra-Oral Images, A System for Human Jaw Modeling Using Intra-Oral Images," <i>In IEEE-EMBS</i> , Volume 2, (Oct 29 - Nov 1998) pp. 563-566, 1998.	
	FZ	YOSHII, "Research on a New Orthodontic Appliance: The Dynamic Positioner (D.P.)-1. The D.P. concept and Implementation of Transparent Silicone Resin (Orthocon)," <i>Nippon Dental Review</i> , Vol. 452, 6/80, pp. 61-74.	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/820,387
				Filing Date	April 7, 2004
				First Named Inventor	Srinivas Kaza
				Art Unit	3732
				Examiner Name	Manahan, Todd E.
Sheet	10	of	10	Attorney Docket Number	018563-006410US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	GA	YOSHII, "Research on A New Orthodontic Appliance: The Dynamic Positioner (D.P.)-II. Th D.P. Manufacturing Procedure and Clinical Applications," <i>Nippon Dental Review</i> , Vol. 454, Aug. 1980, pp. 107-130.	
	GB	YOSHII, "Research on a New Orthodontic Appliance: The Dynamic Positioner (D.P.)-III. The General Concept of the D.P. Method and its Therapeutic Effect, Part 1, Dental and Functional Reversed Occlusion Case Reports," <i>Nippon Dental Review</i> , Vol. 457, 11/80, pp.146-164.	
	GC	YOSHII, "Research on a New Orthodontic Appliance: The Dynamic Positioner (D.P.)-III- The General Concept of the D.P. Method and its Therapeutic Effect, Part 2. Skeletal reversed Occlusion Case Reports," <i>Nippon Dental Review</i> , Vol.458, 12/80, pp. 112-129.	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.